

Serial No.: 10/533,663
Examiner: Omar R. Rojas
Title: DISPLAY ELEMENT AND DISPLAY DEVICE USING THE SAME
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Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application.

1-21. (Canceled)

22. (Currently amended) A display element comprising a light source and a waveguide that propagates a light emitted from the light source, wherein the light propagated in the waveguide is extracted to outside from a waveguide lateral face, and wherein the waveguide comprises a waveguide electrode film on the waveguide lateral face,

the display element further comprising an opposing electrode film being opposite to the waveguide electrode film, and

particles arranged between the waveguide electrode film and the opposing electrode film,

wherein by applying a voltage between the waveguide electrode film and the opposing electrode film, the particles and the waveguide electrode film are brought into contact such that the particles and the waveguide become integrated, changing the shape of the waveguide lateral face and extracting the light out of the waveguide from the waveguide lateral face, and

wherein the particles are particle is fluorescent.

23. (Original) The display element according to claim 22, wherein the light source emits ultraviolet light.

24-25. (Canceled)

26. (Previously presented) A display device comprising:
the display element according to claim 22,
a light source drive circuit for driving the light source,

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a particle drive circuit for applying a voltage between the waveguide electrode film and the opposing electrode film, and

a control circuit that controls the light source drive circuit and the particle drive circuit.

27. (Canceled)

28. (Previously presented) A display device comprising:
the display element according to claim 22, the waveguide electrode film and the opposing electrode film being provided for each of a plurality of pixels, and
an active matrix element that controls respective voltages between the waveguide electrode films and the opposing electrode films.

29. (Canceled)

30. (Previously presented) A display device comprising:
the display element according to claim 23,
a light source drive circuit for driving the light source,
a particle drive circuit for applying a voltage between the waveguide electrode film and the opposing electrode film, and
a control circuit that controls the light source drive circuit and the particle drive circuit.